



US00D323330S

United States Patent [19]

[11] Patent Number: **Des. 323,330**

Wada et al.

[45] Date of Patent: **** Jan. 21, 1992**

[54] **CUTTING WHEEL ASSEMBLY FOR USE IN A MOWING APPARATUS**

Primary Examiner—Bernard Ansher
Assistant Examiner—Sandra Morris
Attorney, Agent, or Firm—Weiser & Stapler

[75] Inventors: **Minoru Wada, Hamura; Mitsuru Taniguchi, Tokyo, both of Japan**

[57] **CLAIM**

The ornamental design for cutting wheel assembly for use in a mowing apparatus, as shown and described.

[73] Assignee: **Komatsu Zenoah Co., Tokyo, Japan**

DESCRIPTION

[**] Term: **14 Years**

FIG. 1 is a right side perspective view of a cutting wheel assembly for use in a mowing apparatus, showing our new design, with the cutting wheels shown alternately displaced;

[21] Appl. No.: **297,231**

FIG. 2 is a left side perspective view thereof, with the cutting wheels shown overlapped;

[22] Filed: **Jan. 13, 1989**

[52] U.S. Cl. **D15/29; D15/16**

FIG. 3 is a right side perspective view thereof;

[58] Field of Search **D15/10-18,**

D15/29; 30/276, 318, 388, 390, DIG. 5; 56/12.7, 234, 237, 239, 240, 249, 255, 289, 295, 297, DIG. 20

FIG. 4 is a left side perspective view thereof;

FIG. 5 is a front elevational view thereof;

FIG. 6 is a rear elevational view thereof;

FIG. 7 is a top plan view thereof;

FIG. 8 is a bottom plan view thereof;

FIG. 9 is a left side elevational view thereof; and

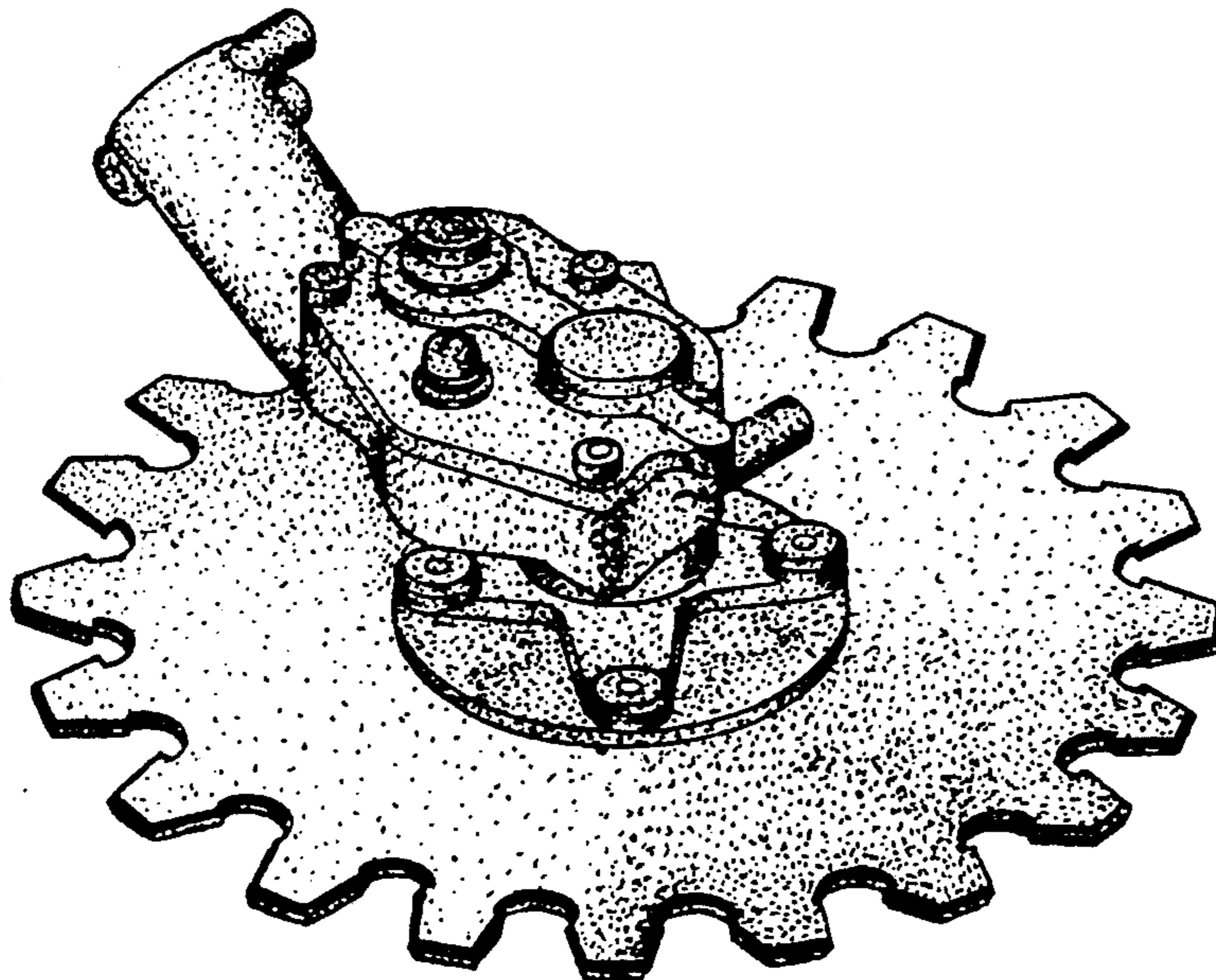
FIG. 10 is a right side elevational view thereof.

The broken line showing of the mowing apparatus is for illustrative purposes only, and forms no part of the claimed design.

[56] **References Cited**

U.S. PATENT DOCUMENTS

3,877,146	4/1975	Pittinger	30/DIG. 5
4,437,523	3/1984	Isbell	30/DIG. 5
4,672,744	6/1987	Jackson et al.	30/276
4,802,327	2/1989	Roberts	56/255
4,881,363	11/1989	Terai et al.	56/255



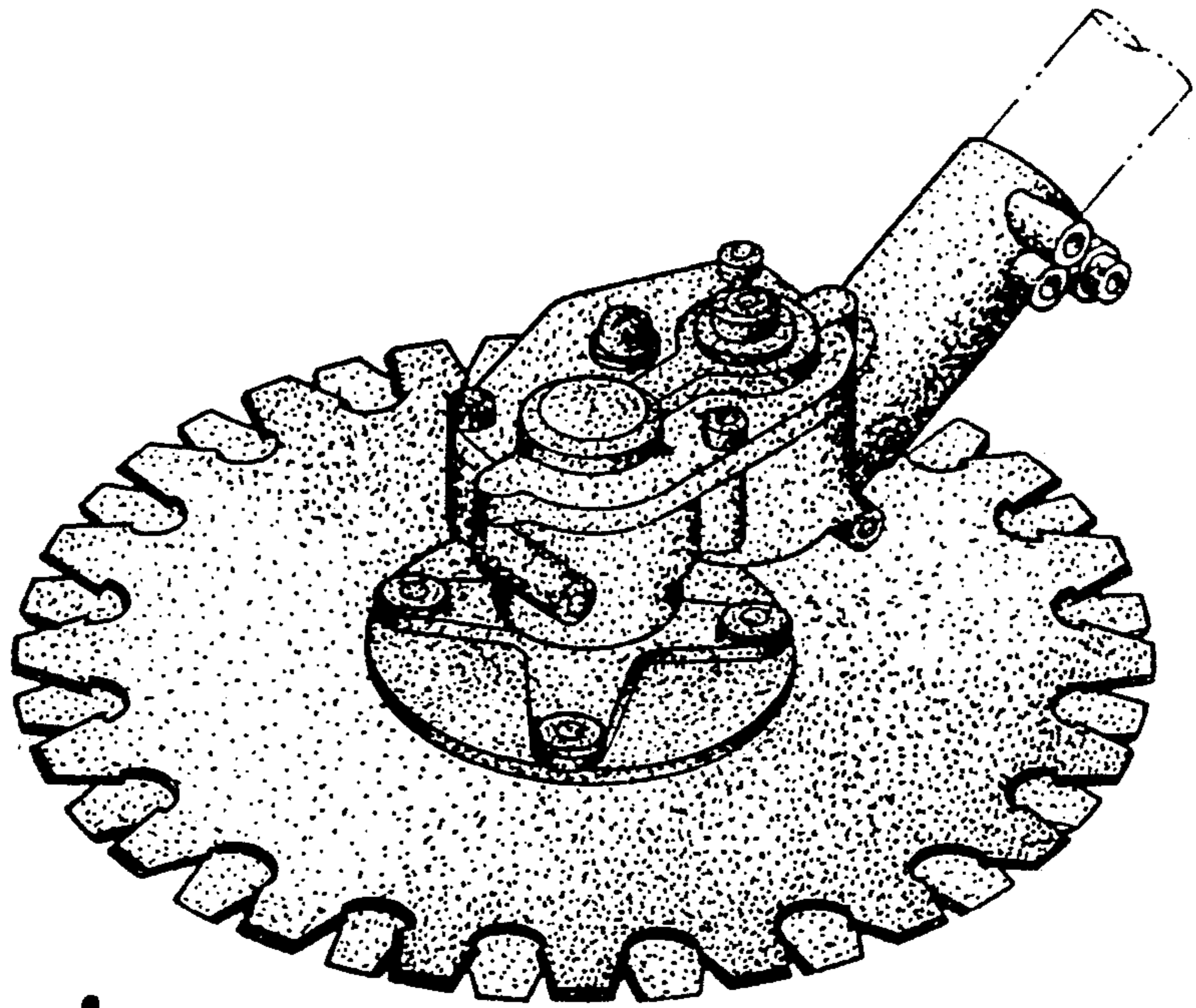


FIG. 1

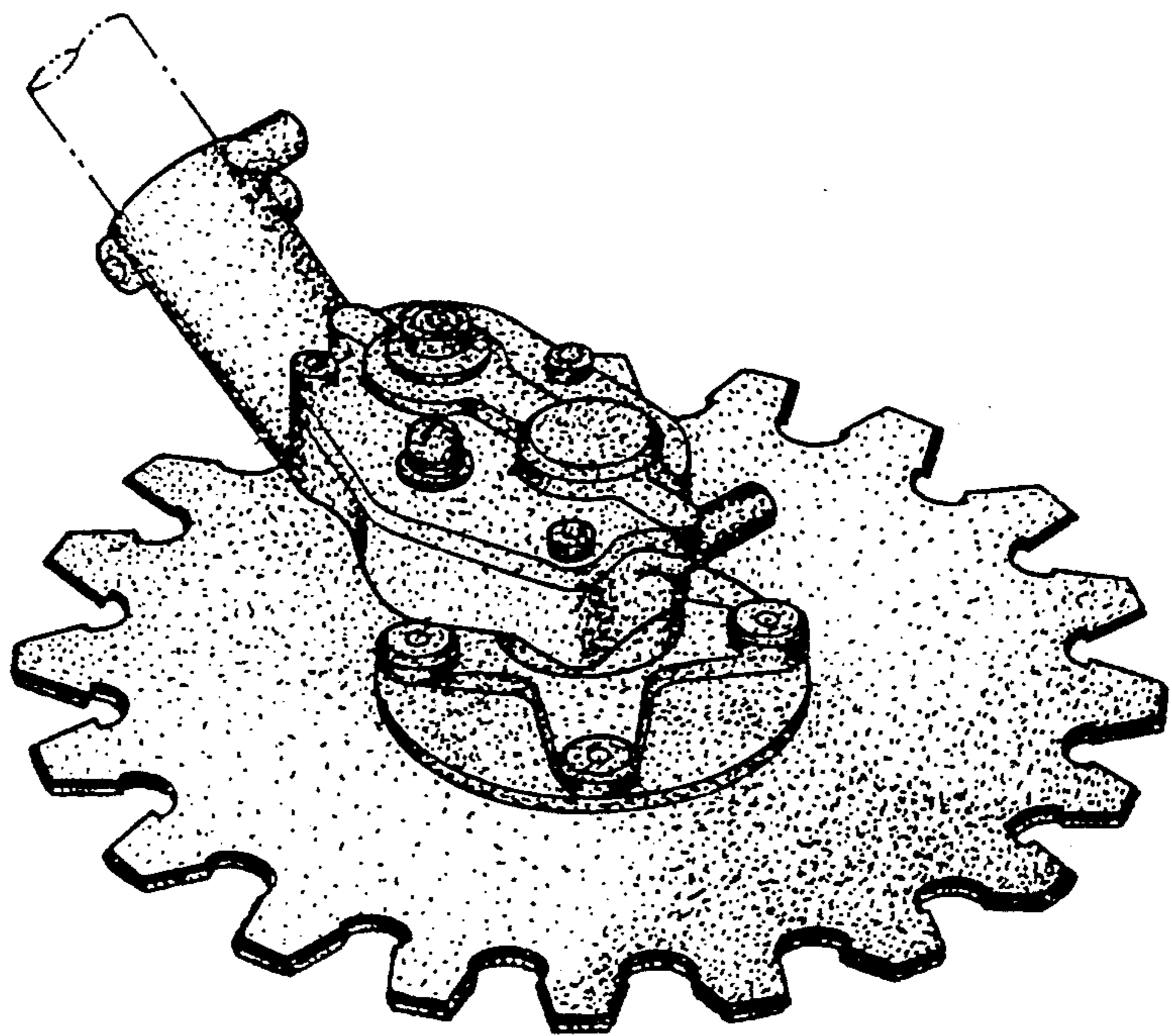


FIG. 2

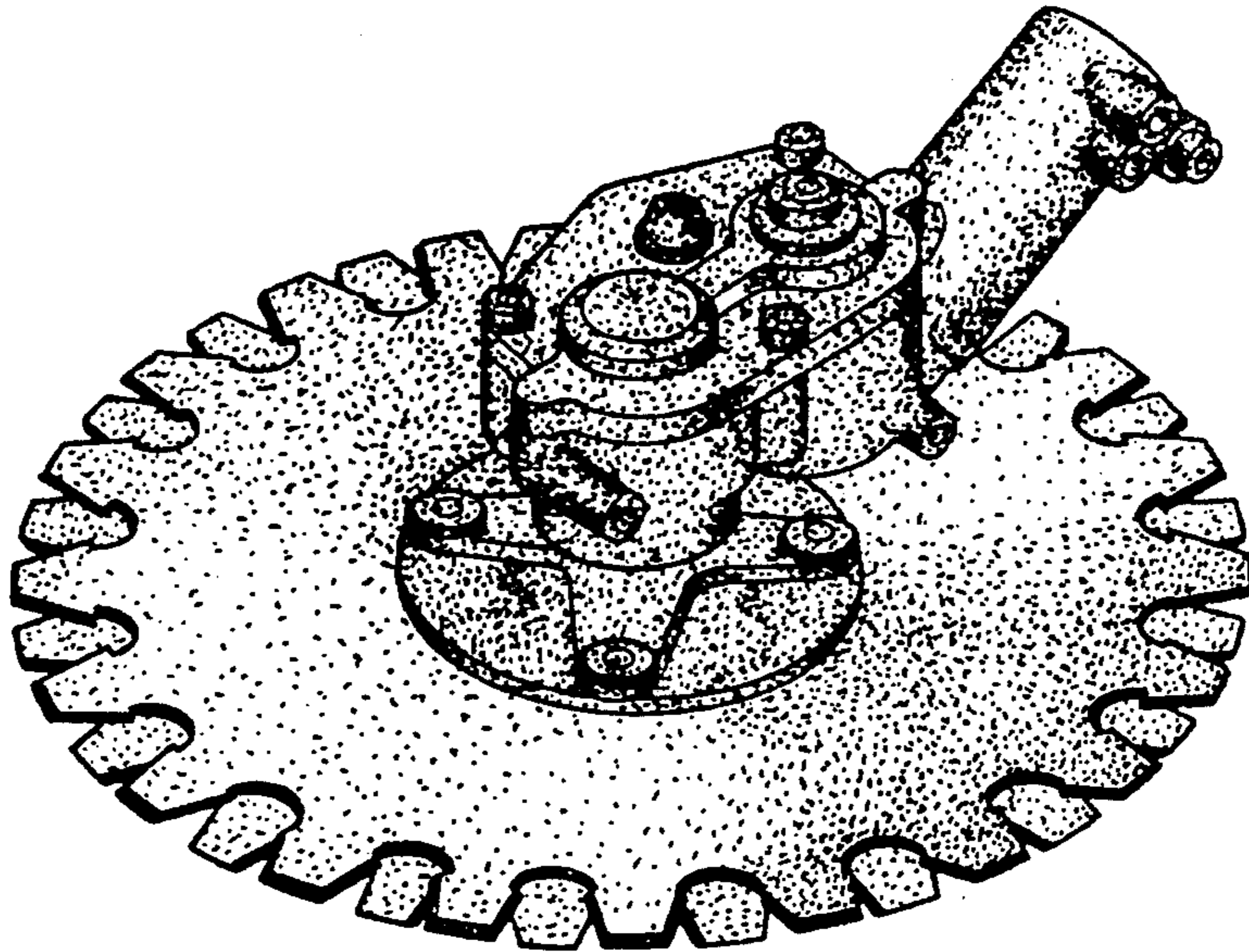


FIG. 3

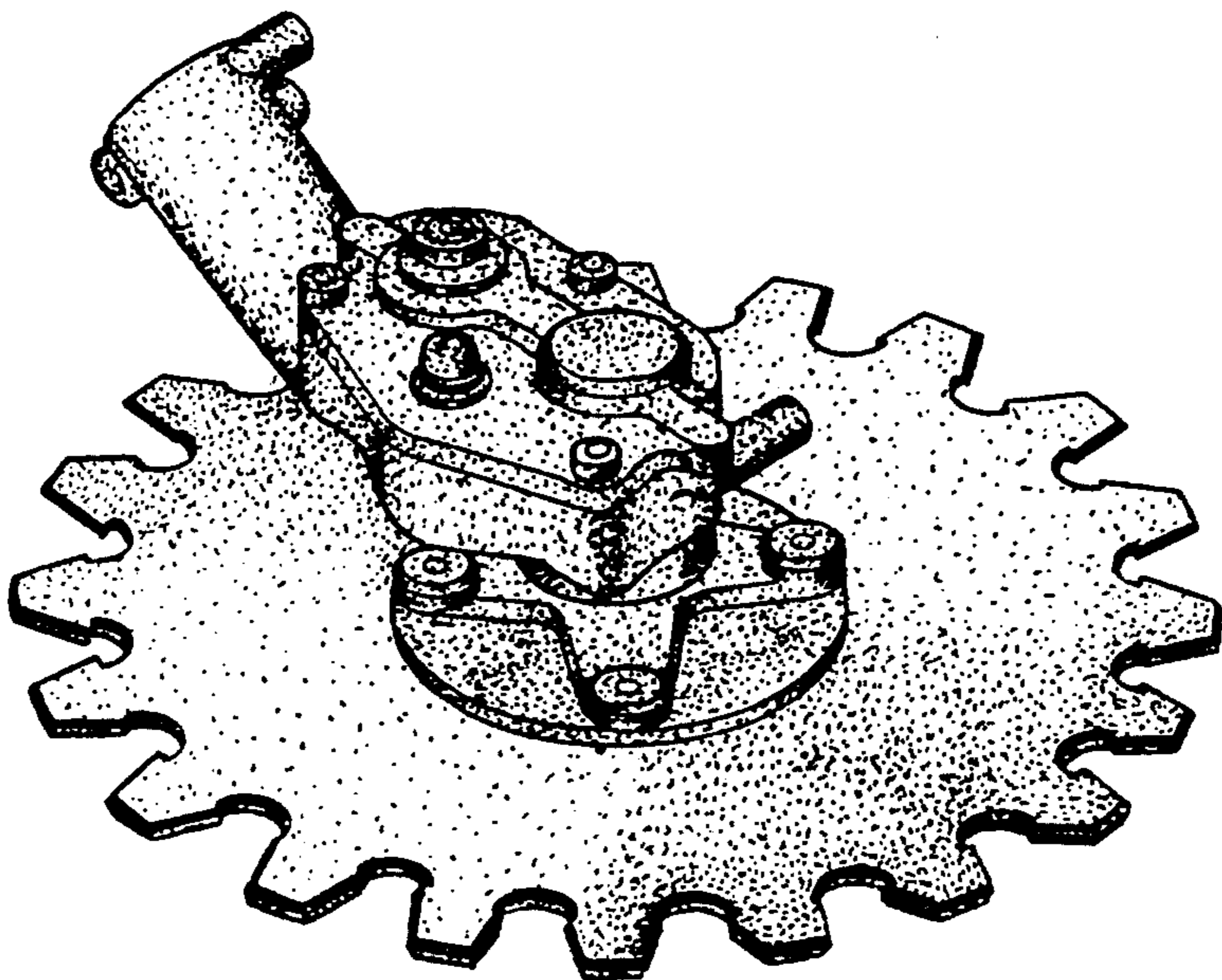


FIG. 4

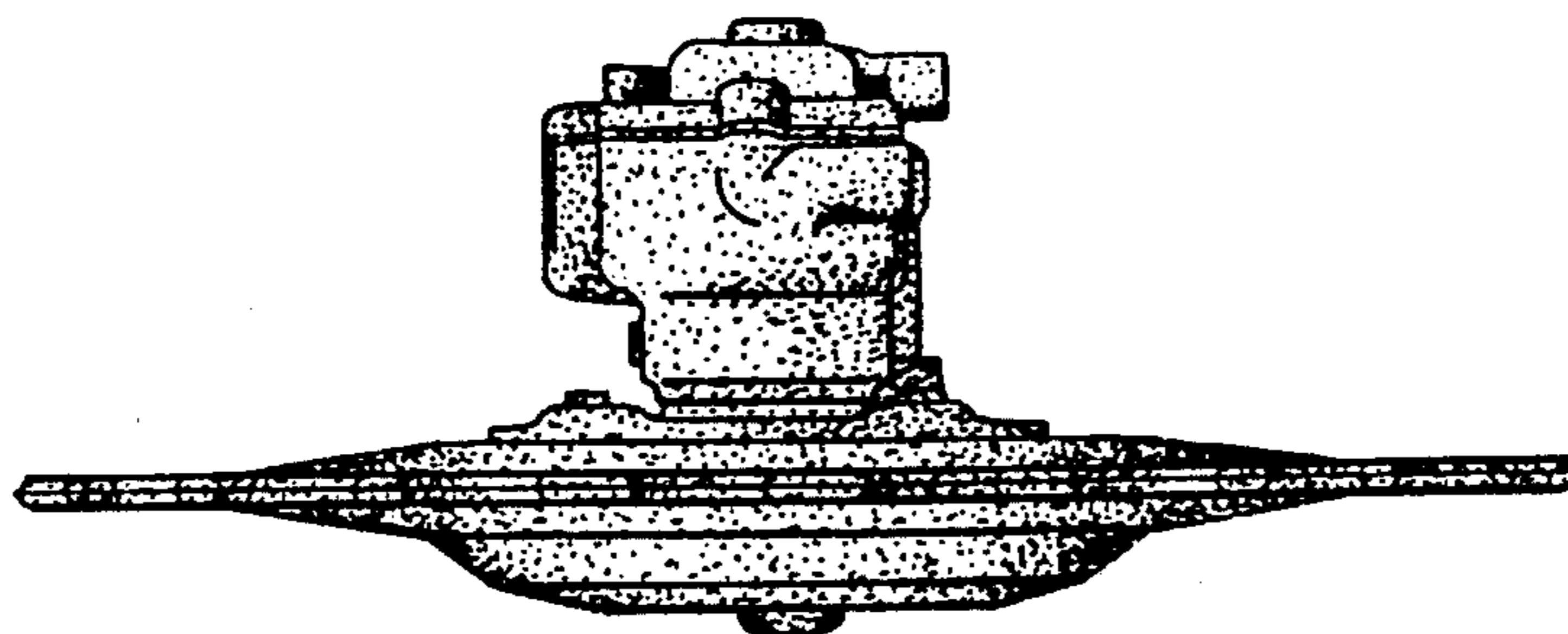


FIG. 5

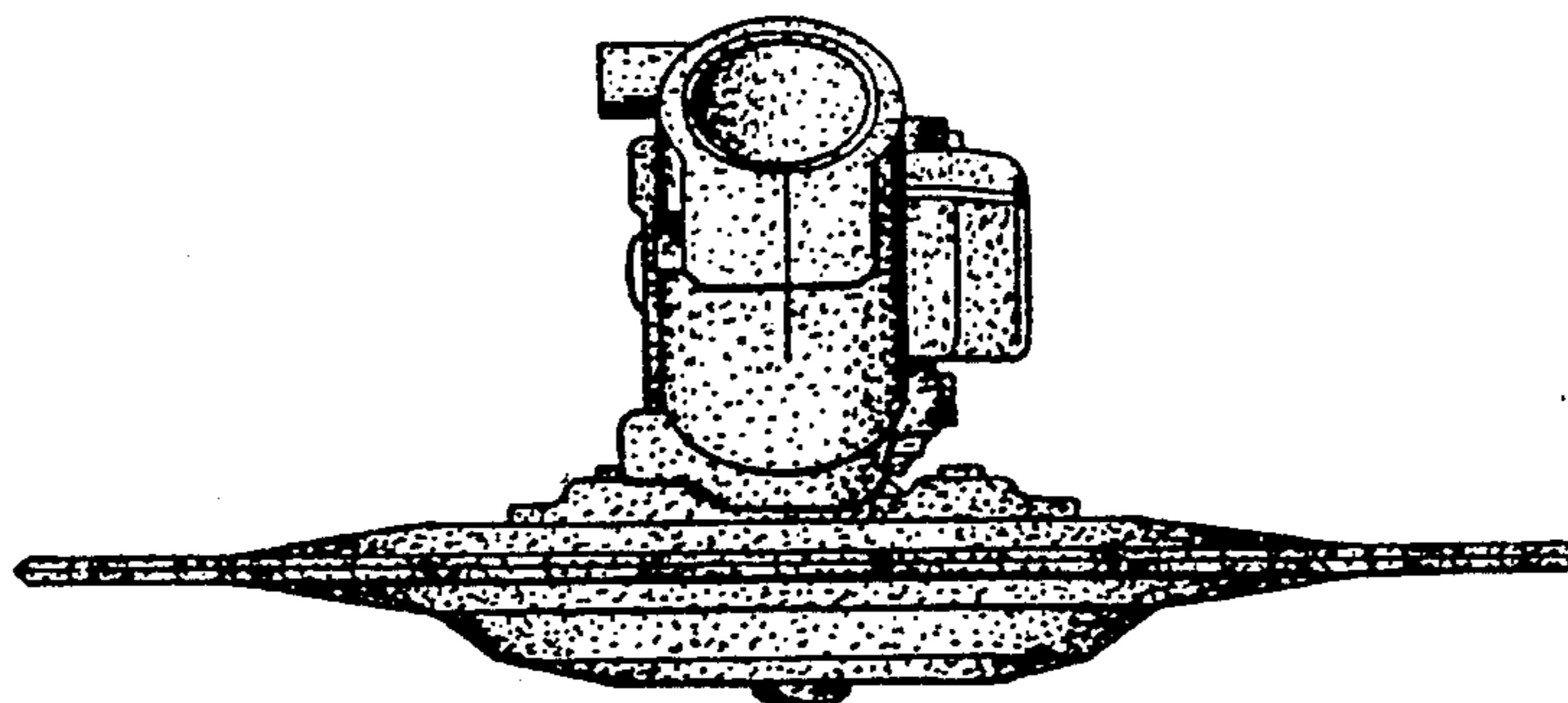


FIG. 6

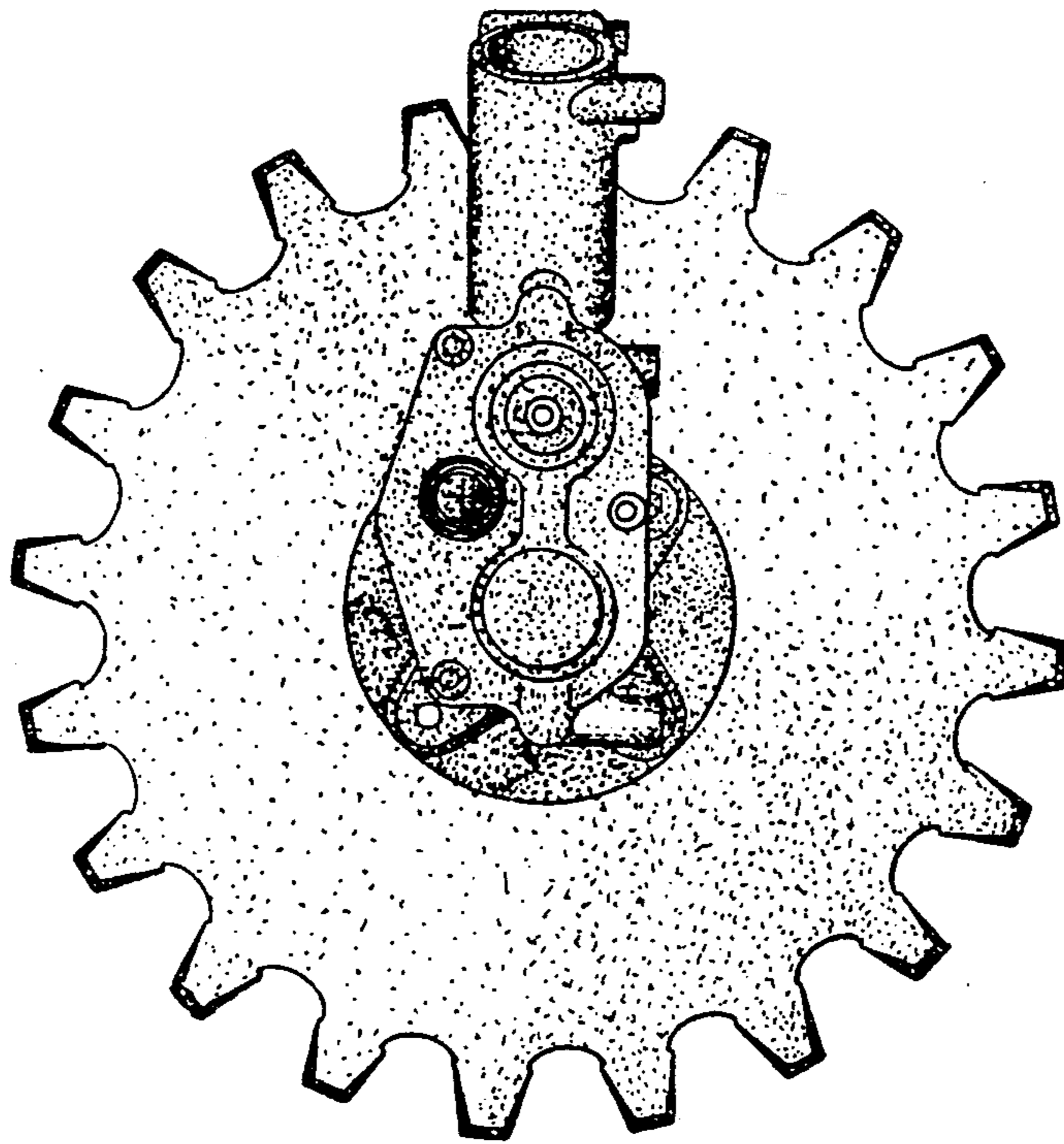


FIG. 7

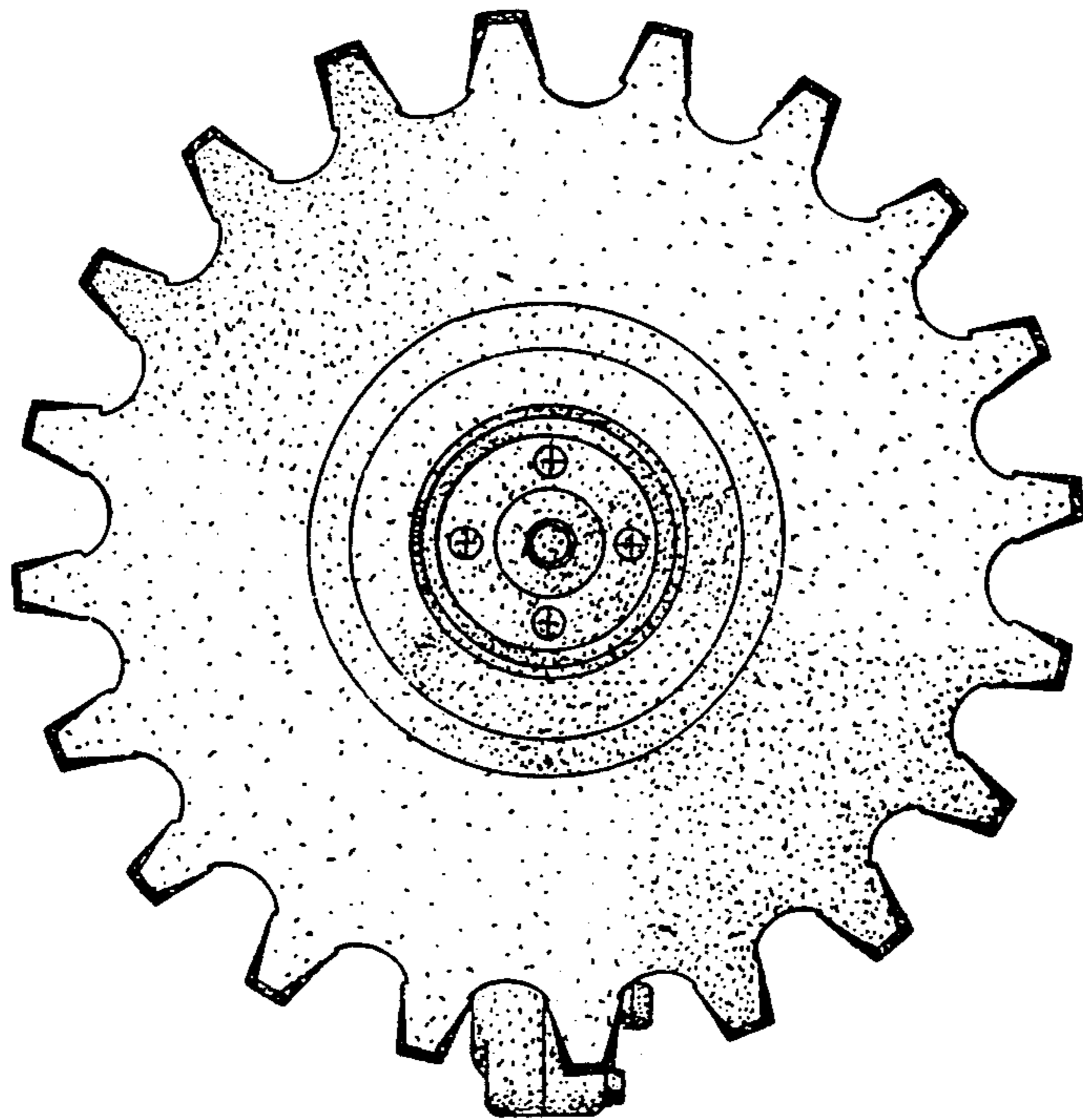


FIG. 8

FIG. 9

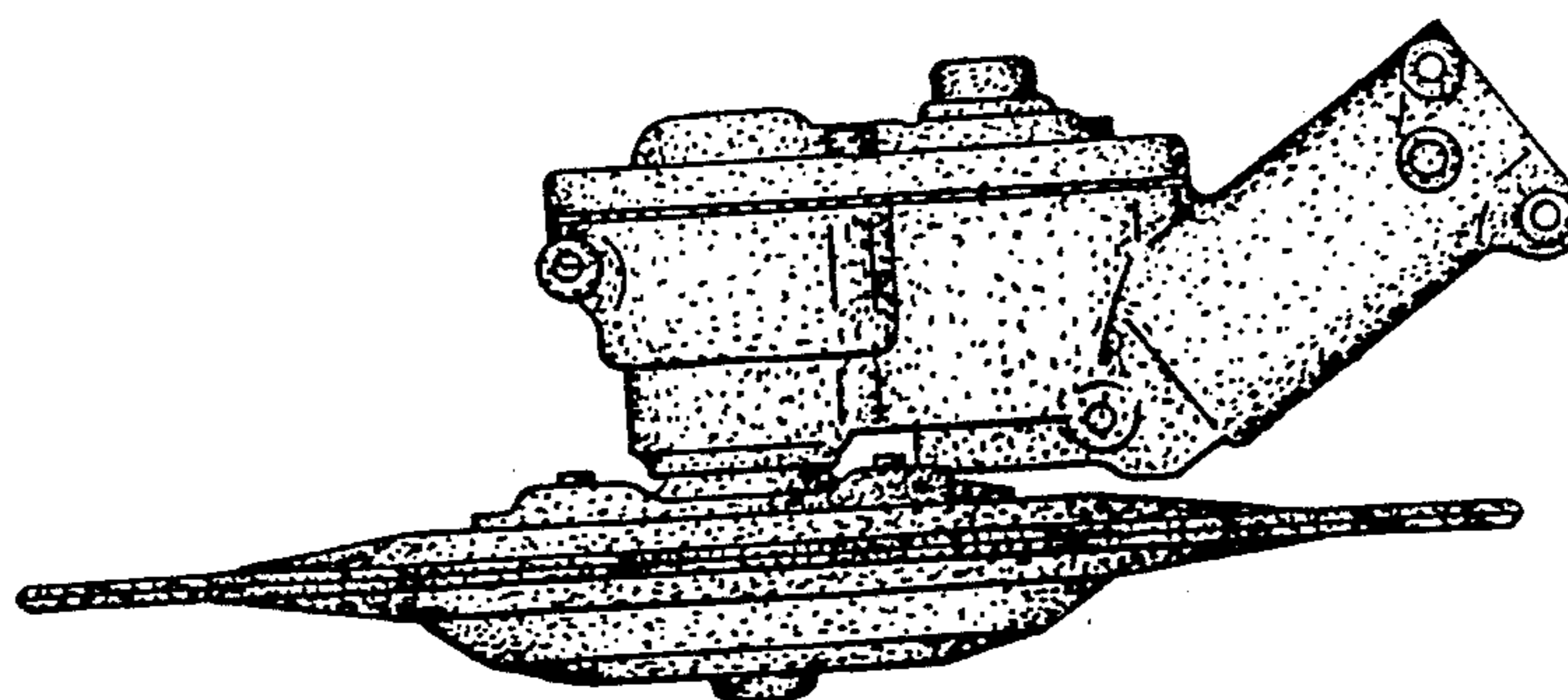
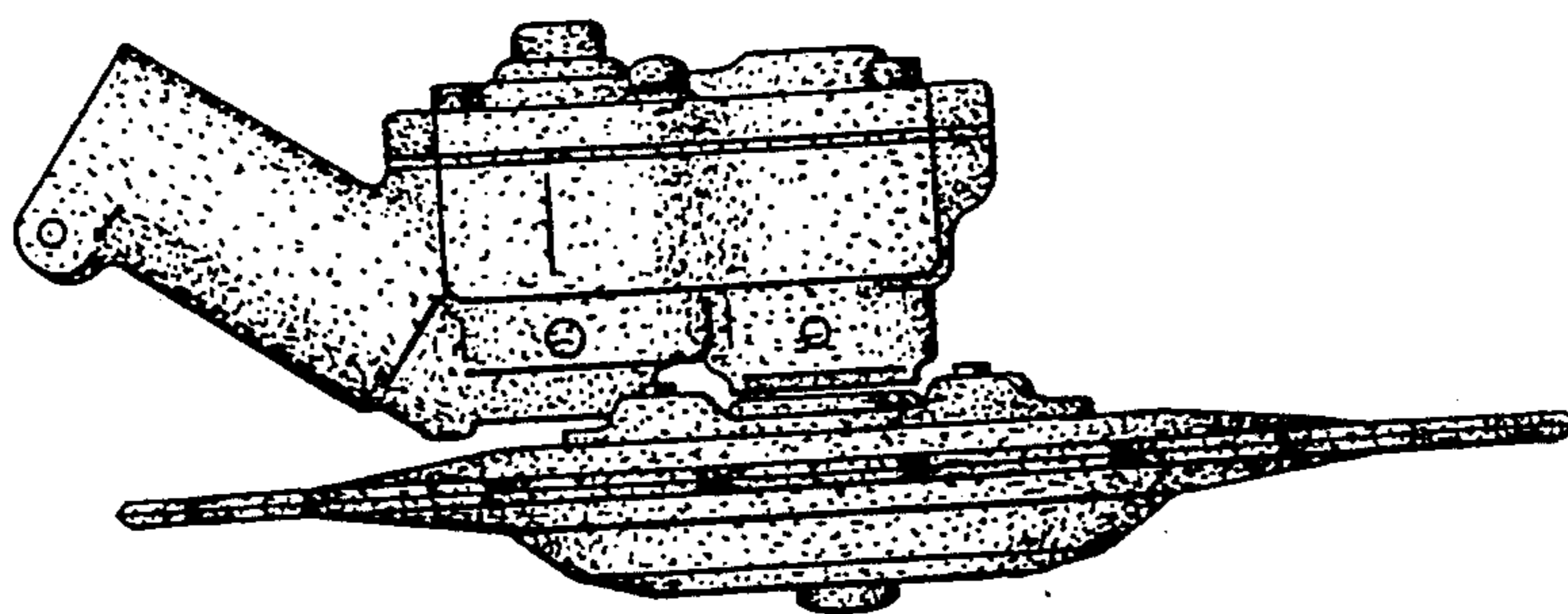


FIG. 10